

Master Planning Task Force

November 9, 2011

Members

P Pier Oddone	P Bruce Chrisman	A Steve Holmes	P Greg Bock
A Vicky White	P Bob Kephart	A Giorgio Apollinari	A Mike Lindgren
A Roger Dixon	A Steve Wiesenthal	A Randy Ortgiesen	P Young-Kee Kim
A Patricia McBride	A Paul Czarapata	P Peter Garbincius	P Steve Dixon
P Stuart Henderson	P Katie Yurkewicz		

Guests

R. Sood, K. Riesselmann, K. Collins, R. Merchut, R. Ray, J. Lewis, B. Tschirhart, A. Harris, M. Bollinger

Presentations available at <http://www.fnal.gov/directorate/Longrange/MasterPlanning/>

A. Mu2e Space Needs

R. Ray (RR) presentation provided a general overview of the space needs of the Mu2e project in the coming years. The following specific items were discussed:

1. The construction of the solenoid is the critical path for the project.
2. The prototype solenoid work requires input and coordination with Technical Division (TD) personnel. Having the prototype work accomplished in close proximity to TD is seen as a benefit.
3. While the majority of the project's space needs can be met within existing buildings, the construction will require approximately 10,000 square feet of industrial quality space. This could be accommodated within the CDF hall.
4. P. Oddone (PO) mentioned that this type of space is likely available in warehouses in the vicinity of Fermilab. B. Chrisman (BC) indicated that this has been done in the past to fill short term space needs.
5. Young-Kee Kim (YKK) inquired about the office location needs for Mu2e. RR responded that the project has a primary desire to be in one place and that could be Wilson Hall or the Illinois Accelerator Research Center (IARC) area.
6. RR also indicated that the daily interactions with the G-2 project is critical to the success of both projects.

B. CDF Decommissioning Status

J. Lewis (JL) provided an overview of the CDF decommissioning activities. In addition to the topics included in the presentation, the following specific items were discussed:

1. It was noted that significant progress has been made on the decommissioning efforts to date.
2. There was discussion of the use and schedule for the NOvA Full Height Engineering Prototype (FHEP) currently installed in the building. Of specific note was the possibility of removing the cable bridge while the FHEP was in place. Additional discussions with the NOvA project are needed to resolve these issues.

C. P-1021 Proposal

B. Tschirhart (BT) provided an overview of the proposed P-1021 experiment to utilize the existing Main Ring tunnel from A-0 to B-0. In addition to the topics included in the presentation, the following specific items were discussed:

1. The P-1021 detector would be located with the space that houses the existing CDF tracker and would utilize a significant portion of the existing CDF detector.
2. Ideally, the experiment could be moved to a new location supplied with a higher energy beam if/when Project X is constructed.
3. B. Kephart (BK) indicated that a plan would be required to service the P-1021 detector so as to minimize the impact of the use of the deep pit at CDF.
4. BK noted that industry requires a predictable process for utilizing the spaces and having the space available is the key to the success of the IARC program.

D. IARC Landlord

R. Sood (RS) provided an overview of the impact of Technical Division assuming the landlordship of IARC. In addition to the topics included in the presentation, the following specific items were discussed:

1. YKK asked if TD has additional office space now that the IB3 Addition is complete. RS responded that the new space relieved an overcrowding condition that existing in TD.

E. CDF Refurbishment

R. Merchut (RM) provided an update on the planning for the proposed CDF Refurbishment project. In addition to the topics included in the presentation, the following specific items were discussed:

1. There is a desire to match the level of quality in the refurbished offices within CDF to the planned IARC project.
2. In order to meet LEED goals, windows may need to be installed. JL indicated that this may be problematic.
3. The goal of a master plan for the combined use of IARC space and the CDF space should address the desires of all stakeholders.
4. The total projected cost of the CDF refurbishment is estimated at \$10 million.

F. Other

1. RS indicated that the proposed IB-5 project to construct a new building in the Technical Division campus could provide the additional industrial space needed for the proposed experiments.
2. BK indicated that additional money could be available from the State of Illinois Capital Funds and encouraged others to prepare grant proposals.
3. PO indicated that perhaps a project could be split funded from the State of Illinois and DOE. Additional discussions are warranted.
4. P. Garbincius (PG) mentioned that several projects are putting requirements "off project" which are expected to be funded by the Laboratory. This could strain the available resources and require additional discussion.

G. Action Items from This Meeting

1. None noted.

H. Previous Action Items

1. IARC Employee Entry. Decision needed after discussions with stakeholders

2. Muon Campus Color Palette: G. Van Zandbergen requested to develop a color/material scheme for the area that includes mu2e and G-2.
3. B. Kephart was requested to assess the environmental, safety and health requirements of the planned/expected use of the existing CDF building and their impact on visitors.
4. Decision on landlord of IARC.
5. Follow up with shielding design for LArTF (MicroBooNE)
6. Follow up with P. Oddone with design approach for LArTF (YKK)
7. Obtain copies of Directorate Level Mission Readiness Documents from other laboratories (RO);
8. Develop proposed naming convention for projects and areas (KY);

F. Next Meeting

To be scheduled